

Name \_\_\_\_\_

Date \_\_\_\_\_

Period \_\_\_\_\_



# Find the Missing Length Using the Pythagorean Theorem

Instructions: Use the Pythagorean theorem to discover the length of the side of the triangle that is missing. Use the answers you find to lead you through the maze.

Begin:

|                           |       |                           |       |                           |       |                           |       |                           |
|---------------------------|-------|---------------------------|-------|---------------------------|-------|---------------------------|-------|---------------------------|
| A = 7<br>B = 9<br>5.66    | 11.40 | A = 12<br>B = 10<br>13    | 15.62 | A = 13<br>C = 14<br>12    | 5.20  | B = 11<br>C = 21<br>17.89 | 17    | A = 12<br>C = 31<br>25.92 |
| A = 8<br>C = 13<br>10.25  | 21.17 | A = 12<br>C = 17<br>12.04 | 15    | A = 3<br>B = 5<br>6       | 6     | A = 23<br>B = 14<br>25.24 | 26.93 | B = 6<br>C = 9<br>6.71    |
| A = 4<br>B = 8<br>8.94    | 9.75  | A = 7<br>C = 12<br>21.17  | 13.42 | B = 12<br>C = 18<br>10.82 | 15.81 | A = 13<br>B = 9<br>10.44  | 16.25 | A = 19<br>C = 25<br>18.38 |
| A = 15<br>C = 23<br>17.44 | 8     | A = 7<br>B = 6<br>9.22    | 11    | B = 16<br>C = 18<br>8.25  | 17    | A = 14<br>B = 9<br>17     | 11.64 | A = 9<br>B = 13<br>9.38   |
| A = 12<br>B = 5<br>13     | 8.31  | A = 10<br>C = 13<br>14    | 10.39 | A = 6<br>C = 12<br>12     | 9     | B = 5<br>C = 11<br>7.94   | 9.80  | A = 4<br>C = 13<br>12.37  |
| B = 29<br>C = 33<br>16.75 | 19.60 | B = 24<br>C = 26<br>26.53 | 10    | A = 11<br>C = 17<br>14    | 12.96 | B = 13<br>C = 19<br>20.62 | 13.86 | A = 3<br>B = 5<br>5.83    |
| A = 27<br>B = 18<br>32.45 |       | A = 14<br>C = 30<br>18    |       | A = 20<br>C = 25<br>15    |       | A = 16<br>B = 13<br>18    |       |                           |

